

Title (en)
Apparatus for cutting grass

Title (de)
Mähvorrichtung

Title (fr)
Tondeuse

Publication
EP 2502482 A1 20120926 (EN)

Application
EP 11425071 A 20110323

Priority
EP 11425071 A 20110323

Abstract (en)
An apparatus for cutting grass, comprising a lawn mower provided with actuating means for movement of the lawn mower at least inside one cutting area; one or more blades for cutting grass in the cutting area. The apparatus further comprises: a perimetral cable confining the cutting area and comprising at least one portion having a predetermined conformation; a management device for generating an electric signal and propagating it in the cable. The lawn mower is further provided with: sensor means for detecting the electric signal; a control unit configured for operating the actuating means in such a manner as to move the lawn mower inside the cutting area along a trajectory substantially in the form of arcs; an operating module configured for: determining main data (MD) representative of the conformation of the cable portion, as a function of the electric signal propagating in the portion; comparing the main data with reference data; generating a notification signal in case of correspondence between the main data and reference data. The control unit (60) is further configured for: receiving the notification signal; following said reception, operating in a main operating condition giving commands to the actuating means in such a manner that the lawn mower will move for meeting the cable again and will then move along the cable over a predetermined length.

IPC 8 full level
A01D 34/00 (2006.01); **G05D 1/02** (2006.01)

CPC (source: EP US)
A01D 34/008 (2013.01 - EP); **B60L 50/52** (2019.01 - EP); **B60L 53/18** (2019.01 - EP US); **B60L 58/21** (2019.01 - EP); **G05D 1/0265** (2024.01 - EP US); **B60L 2200/40** (2013.01 - EP); **B60L 2250/10** (2013.01 - EP); **B60L 2260/28** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/14** (2013.01 - EP)

Citation (applicant)
EP 05425466 A 20050630

Citation (search report)
• [A] EP 1906205 A1 20080402 - F ROBOTICS ACQUISITIONS LTD [IL]
• [A] DE 102008001813 A1 20091119 - BOSCH GMBH ROBERT [DE]

Cited by
CN111867355A; CN110612492A; EP2679083A1; US9829891B2; US9713303B2; WO2017029404A1; WO2014129944A1; EP2997808A1; US10698417B2; US11687093B2; US9820433B2; US10555456B2; EP2625946A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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